

Substitute Form PTO-1449  
(Modified)U.S. Department of Commerce  
Patent and Trademark OfficeAttorney's Docket No.  
13907-061001Application No.  
10/747,697**Fourth Supplemental Information Disclosure  
Statement  
by Applicant**

(Use several sheets if necessary)

Applicant  
Wolfgang Kalthoff et al.Filing Date  
December 30, 2003Group Art Unit  
2171**U.S. Patent Documents**

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
CB	AA	US 5655085	08-1997	Ryan et al.			
CB	AB	US 5694598	12/02/97	Durand et al.			
CB	AC	US 5703938	12-1997	Lucas et al.			
CB	AD	US 5710884	01-1998	Dedrick			
CB	AE	US 5911139	06/08/99	Jain et al.			
CB	AF	US 6032147 A	02-2000	Williams et al.			
CB	AG	US 6067525	05-2000	Johnson et al.			
CB	AH	US 6324647	11/27/01	Bowman-Amuah			
CB	AI	US 6405132	06-2002	Breed et al.			
CB	AJ	US 6567818 B1	05/20/03	Frey et al.			
CB	AK	US 6768944	07-2004	Breed et al.			
CB	AL	US 6895408 B1	05/17/05	Kavantzias			
CB	AM	US 6857123 B1	02/15/05	Nuxoll et al.			
CB	AN	US 2002/0095454 A1	07/18/02	Reed et al.			
	<del>AO</del>	<del>US 2002/161778 A1</del>	<del>10-2002</del>	<del>Linstedt</del>			
	<del>AP</del>	<del>US 2003/191852</del>	<del>10-2003</del>	<del>Ramakrishna et al.</del>			
CB	AQ	US 2005/0038551	02/17/05	Mazumder et al.			

**Foreign Patent Documents or Published Foreign Patent Applications**

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
CB	AR	DE 10049940A1	04-2002	Germany			Abstract	

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
CB	AS	Berndtsson et al., Task Sharing Among Agents Using Reactive Rules, Cooperative Operation Systems, 1997. COOPIS '97., Proceedings of the Second IFCIS International, 24-27 June 1997, pgs. 56-65.

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/Cory Bell/

Date Considered

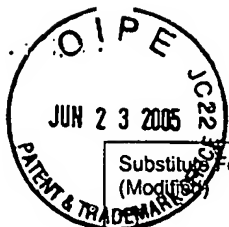
05/26/2006

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Substitute Form PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office		Attorney's Docket No. 13907-061001	Application No. 10/747,697
<b>Fourth Supplemental Information Disclosure Statement by Applicant</b> (Use several sheets if necessary) (37 CFR §1.98(b))				Applicant Wolfgang Kalthoff et al.	
				Filing Date December 30, 2003	
				Group Art Unit 2171	
<b>Other Documents (include Author, Title, Date, and Place of Publication)</b>					
Examiner Initial	Desig. ID	Document			
CB	AT	Hill et al., "Data Transformation: Key to Information Sharing" Gartner Group Strategic Analysis Report, 29 September 1998 (1998-09-29), pgs. 1-60.			

CB

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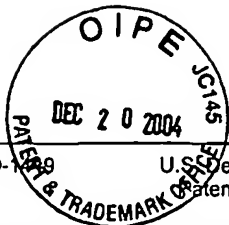
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U.S. Patent Documents							
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CB	AB						

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							Yes	No
CB	AC	03/093998	11/13/2003	WIPO				
	AD							

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
CB	AE	Anonymous "Data Profiling the Foundation for Data Management" <u>DataFlux Corporation</u> , July 1, 2004, pp. 1-17.
CB	AF	Garcia et al. "Immunization Registries DeDuplication and Record Matching," <u>White Paper</u> , 1999, pp. 1-11.
CB	AG	Georgakopoulos et al. "An Overview of Workflow Management: From Process Modeling to Workflow Automation Infrastructure," <u>Distributed and Parallel Databases</u> , 1995, Vol. 3, No. 2, pp. 119-153.
CB	AH	Rahm et al. "Data Cleaning: Problems and Current Approaches," <u>Quarterly Bulletin of the Computer Society of the IEEE Technical Committee on Data Engineering</u> , December 2000, pp. 1-11.
	AI	

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U.S. Patent Documents							
Exami ner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
CB	AA	US-4459663	07-1984	Dye			
CB	AB	US-5099431	03-1992	Natarajan			
CB	AC	US-5191534	03-1993	Orr et al.			
CB	AD	US-5311424	05-1994	Mukherjee et al.			
CB	AE	09/577,268		Hazi et al.			05-2000
CB	AF	09/643,207		Brookler et al.			08-2000
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CB	AH	US 2002/0087510 A1	07-2002	Weinberg et al.			
CB	AI	US 2002/0116417 A1	08-2002	Weinberg et al.			
CB	AJ	US-6480755	11-2002	Ootani et al.			
CB	AK	US 2002/0194196 A1	12-2002	Weinberg et al.			
CB	AL	US 2003/0233347 A1	12-2003	Weinberg et al.			
CB	AM	US-6711456	03-2004	Yokomori et al.			
CB	AN	US-6738682	05-2004	Pasadyne			
CB	AO	US-6754666 B1	06-2004	Brookler et al.			

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							Yes	No
CB	AP	CA 2391829	06-2001	Canada				
CB	AQ	WO 02/25471	03-2002	WIPO				
CB	AR	WO 02/25500	03-2002	WIPO				
CB	AS	WO 02/47463	06-2002	WIPO				

Other Documents (include Author, Title, Date, and Place of Publication)		
Exami ner Initial	Desig. ID	Document
	AT	Haerder T. et al., "Integritaetskontrolle," Datenbanken Konzepte und Techniken Der Implementierung, 1999, pp. 397-405, XP002294581 [translation provided]
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		<del>Haerder T. et al., "RX-Sperrverfahren." Datenbanken Konzepte und Techniken Der Implementierung</del>
	AU	1999, pp. 419-420, XP002294552 [translation provided]

Examiner cannot locate translation for  
those documents crossed out.

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CB	AA	US-6236997 B1	05-2001	Bodamer et al.			
CB	AB	US-5859972 A	01-1999	Subramaniam et al.			
CB	AC	US-6226650 B1	05-2001	Mahajan et al.			

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CB	AD	WO 01/37097	05-2001	WIPO				

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
CB	AE	Chaudhuri, Surajit, et al., "An Overview of Data Warehousing and OLAP Technology," SIGMOD Record, New York, NY, USA, vol. 26, no. 1, March 1997, pp. 65-74, XP002193792, ISSN: 0163-5808
CB	AF	Rahm, Erhard, et al., "Data Cleaning: Problems and Current Approaches," IEEE Bulletin of the Technical Committee on Data Engineering, vol. 23, no. 4, retrieved from the Internet December 2000 at <a href="http://lips.informatik.uni-leipzig.de:80/pub/2000-45">http://lips.informatik.uni-leipzig.de:80/pub/2000-45</a> , XP002284896, 11 pgs.
CB	AG	"SyncML Protocol, version 1.0," Internet Citation, December 7, 2000, XP002217356, 60 pgs.

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**U.S. Patent Documents**

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							Yes	No

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
CB	AA	Bertino, Elisa, et al., "Data Security," Proceedings of the Twenty-Second Annual International Computer Software and Applications Conference, Vienna, Austria, August 19-21, 1998, Los Alamitos, CA, USA, August 19, 1998, (CompSAC '98), XP010305455, pp. 228-237
CB	AB	Bon, M., et al., "Sharing Product Data Among Heterogeneous Workflow Environments," CAD 2002: Corporate Engineering Research, German Informatics Society, March 4-5, 2002, Dresden, Germany, XP002268575, pp. 1-10
CB	AC	Chandramouli, Ramaswamy, "Application of XML Tools for Enterprise-Wide RBAC Implementation Tasks," Proceedings of the 5 <sup>th</sup> ACM Workshop on Role-Based Access Control, Berlin, Germany, July 26-27, 2000, XP000958089, pp.11-18
CB	AD	Choi, Jin Oh, et al., "Update Propagation of Replicated Data in Distributed Spatial Databases," Proceedings of Database and Expert Systems Applications: Tenth International Conference, Florence, Italy, August 30, 1999 – September 2, 1999, DEXA '99 (Lecture Notes in Computer Science Vol. 1677), Berlin, Germany, Springer-Verlag, Germany, XP009022583, pp.952-963
CB	AE	Chou, H-T. et al., "Versions and Change Notification in an Object-Oriented Database System", Proceedings of the Design Automation Conference, Anaheim, June 12-15, 1988, Proceedings of the Design Automation Conference (DAC), New York, IEEE, US, vol. CONF. 25, 12 June 1988, pp. 275-281, XP010013006, ISBN: 0-8186-0864-1.
CB	AF	Ferreira Rezende, Fernando de, et al., "A Lock Method for KBMSs Using Abstraction Relationships' Semantics," Proceedings of the International Conference on Information and Knowledge Management, CIKM, ACM, New York, NY, USA, 1994, XP002943684, pp. 112-121
CB	AG	Hong, B. et al., "Modeling of Version Relationships for CAD Databases", Computers and Communications Technology Toward 2000, Seoul, Aug. 25-28, 1987, Proceedings of the Region 10 Conference, (TENCON), New York, IEEE, US, vol. 1, Conf. 3, 25 August 1987, pp. 142-146, XP000011783.
CB	AH	Kamita, T. et al., "A Database Architecture and Version Control for Group Work", System Sciences, 1994, Vol. III: Information Systems: Decision Support and Knowledge-Based Systems, Proceedings of the Twenty-Seventh Hawaii International Conference on Wailea, HI, US, 4-7 January 1994, Los Alamitos, CA, US, IEEE Comput. Soc., 4 January 1994, pp. 438-447, XP010097053, ISBN: 0-8186-5070-2.
CB	AI	Rana, S.P. et al., "Version Support for Manufacturing Database Systems", International Conference on Industrial & Engineering Applications of Artificial Intelligence & Expert Systems, Tullahoma, IN, US, New York, NY, US, vol. 2, 6 June 1989, pp. 779-784, XP000605772.
	AJ	

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Substitute Disclosure Form (PTO-1449)